Marine Environmental Research **30** (1990) 323–324

CONTENTS OF VOLUME 30

Number 1

Alterations in the Energy Metabolism of an Estuarine Mysid (*Mysidopsis bahia*) as Indicators of Stress from Chronic Pesticide Exposure 1
CHARLES L. McKENNEY, Jr & EDWARD MATTHEWS (USA)

The Choice of a Sieving Mesh Size in the Quantitative Assessment of Marine Macrobenthos: a Necessary Compromise Between Aims and Constraints . . 21
GUY BACHELET (France)

A Simple Technique for the Rapid Spectrophotometric Determination of Phagocytosis by Fish Macrophages 37
K. R. SEELEY, P. D. GILLESPIE & B. A. WEEKS (USA)

Mercury Contamination Levels and Distribution in Tissues and Organs of Delphinids (*Stenella attenuata*) from the Eastern Tropical Pacific, in Relation to Biological and Ecological Factors 43
J. M. ANDRÉ, F. RIBEYRE & A. BOUDOU (France)

Announcement 73

Number 2

Characterization and Assay Conditions for Use of AChE Activity from Several Marine Species in Pollution Monitoring 75
GILLES BOCQUENE, FRANÇOIS GALGANI & PHILIPPE TRUQUET (France)

Heavy Metal Accumulation by Barnacles and its Implications for Their Use as Biological Monitors 91
M. I. POWELL & K. N. WHITE (UK)

Effects of an Oil Spill on the Gastropods of a Tropical Intertidal Reef Flat . 119
STEPHEN D. GARRITY & SALLY C. LEVINGS (USA)

Short Communication

The Effect of the Chelating Agent EDTA on the Rate of Uptake of Zinc by *Palaemon elegans* (Crustacea: Decapoda) 155
P. O'BRIEN, P. S. RAINBOW & D. NUGEGODA (UK)

Announcement 161

Marine Environ. Res. (**30**) (1990)—© 1990 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Number 3

Variation in Composition and Condition of the Pacific Oyster, *Crassostrea gigas*, Along a Pollution Gradient in Manukau Harbour, New Zealand 163
RICK D. PRIDMORE, DAVID S. ROPER &
JUDI E. HEWITT (New Zealand)

Se Uptake and Accumulation in Marine Phytoplankton and Transfer of Se to the Clam *Puditapes philippnarum* 179
G. H. ZHANG, Y. P. HUANG, M. H. HU (People's Republic of China) &
P. J. HARRISON (Canada)

The Widespread Occurrence of Highly Branched Acyclic C_{20}, C_{25} and C_{30} Hydrocarbons in Recent Sediments and Biota—A Review 191
S. J. ROWLAND & J. N. ROBSON (UK)

Haematological Effects in Fishes from Complex Polluted Waters of Visakhapatnam Harbour 217
D. PANDURANGA RAO, B. RAM BHASKAR, K. SRINIVASA RAO,
Y. V. K. DURGA PRASAD, N. SOMESWARA RAO &
T. N. V. VENKATESWARA RAO (India)

A Comparison of the Roles of Direct Absorption and Phytoplankton Ingestion in Accumulation of Chromium by Sea Urchin Larvae 233
P. J. BREMER, M. F. BARKER & M. W. LOUTIT (New Zealand)

Number 4

Effects of Mercury on the Feeding Behavior of the Mummichog, *Fundulus heteroclitus* from a Polluted Habitat 243
JUDITH S. WEIS & ANWAR A. KHAN (USA)

An Analysis of the Relationship Between a Sand-Dollar Embryo Elutriate Assay and Sediment Contaminants from Stations in an Urban Embayment of Puget Sound, Washington 251
J. P. MEADOR, B. D. ROSS, P. A. DINNEL & S. J. PICQUELLE (USA)

An Experimental Marine Ecosystem Study of the Pelagic Biogeochemistry of Pentachlorophenol 273
M. B. YUNKER, F. A. WHITNEY, W. J. CRETNEY &
C. S. WONG (Canada)

Pollutant Dynamics as Influenced by Seagrass Beds: Experiments with Tributyltin in *Thalassia* Microcosms 297
S. N. LEVINE, D. T. RUDNICK, J. R. KELLY, R. D. MORTON,
L. A. BUTTEL & K. A. CARR (USA)